

TEHAMA COUNTY GROUNDWATER SUSTAINABILITY AGENCY & CURRENT GROUNDWATER CONDITIONS



Corning City Council Meeting October 23, 2018

- **Brief Review of the Sustainable Groundwater Management Act (SGMA)**
- **Update of the Tehama County Groundwater Sustainability Agency (GSA)**
- **Update on the Corning Subbasin**
- **Update on Groundwater Levels**



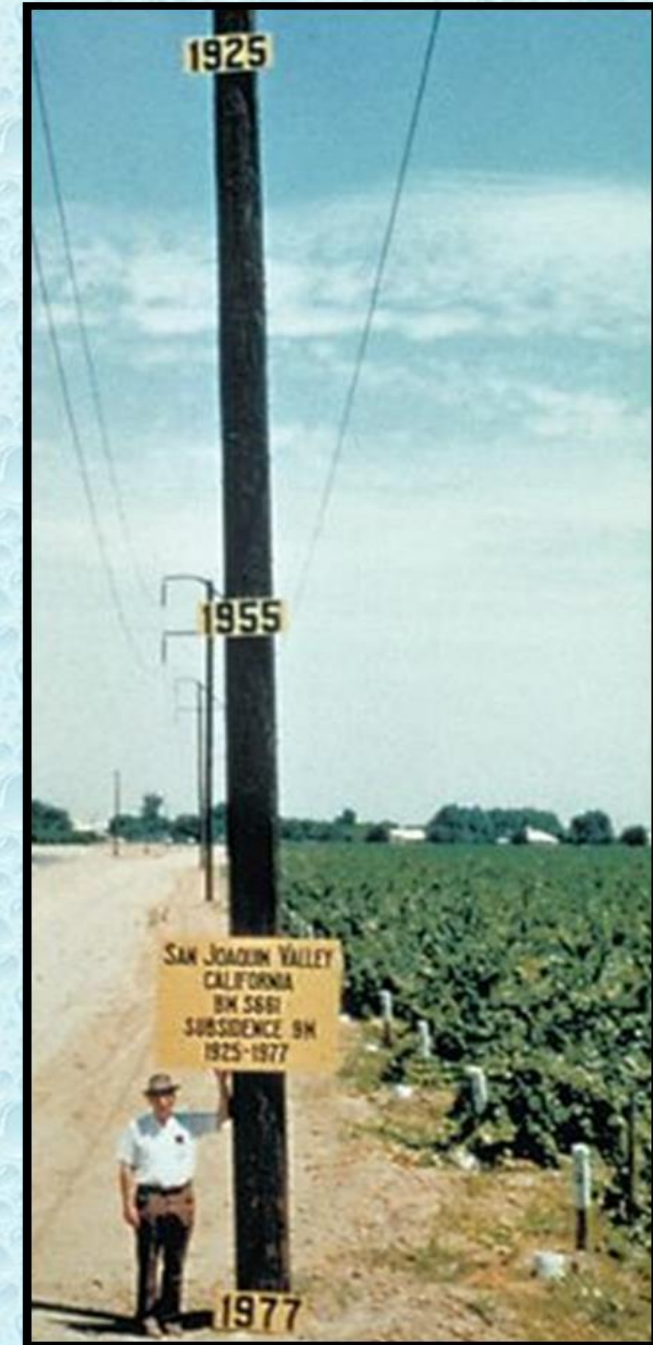
Sustainable Groundwater Management Act (SGMA)

- On September 16, 2014, Governor Brown signed SB1168, AB1739, and SB1319 into law, enacting SGMA
- SGMA became effective on January 1, 2015



What is SGMAs purpose?

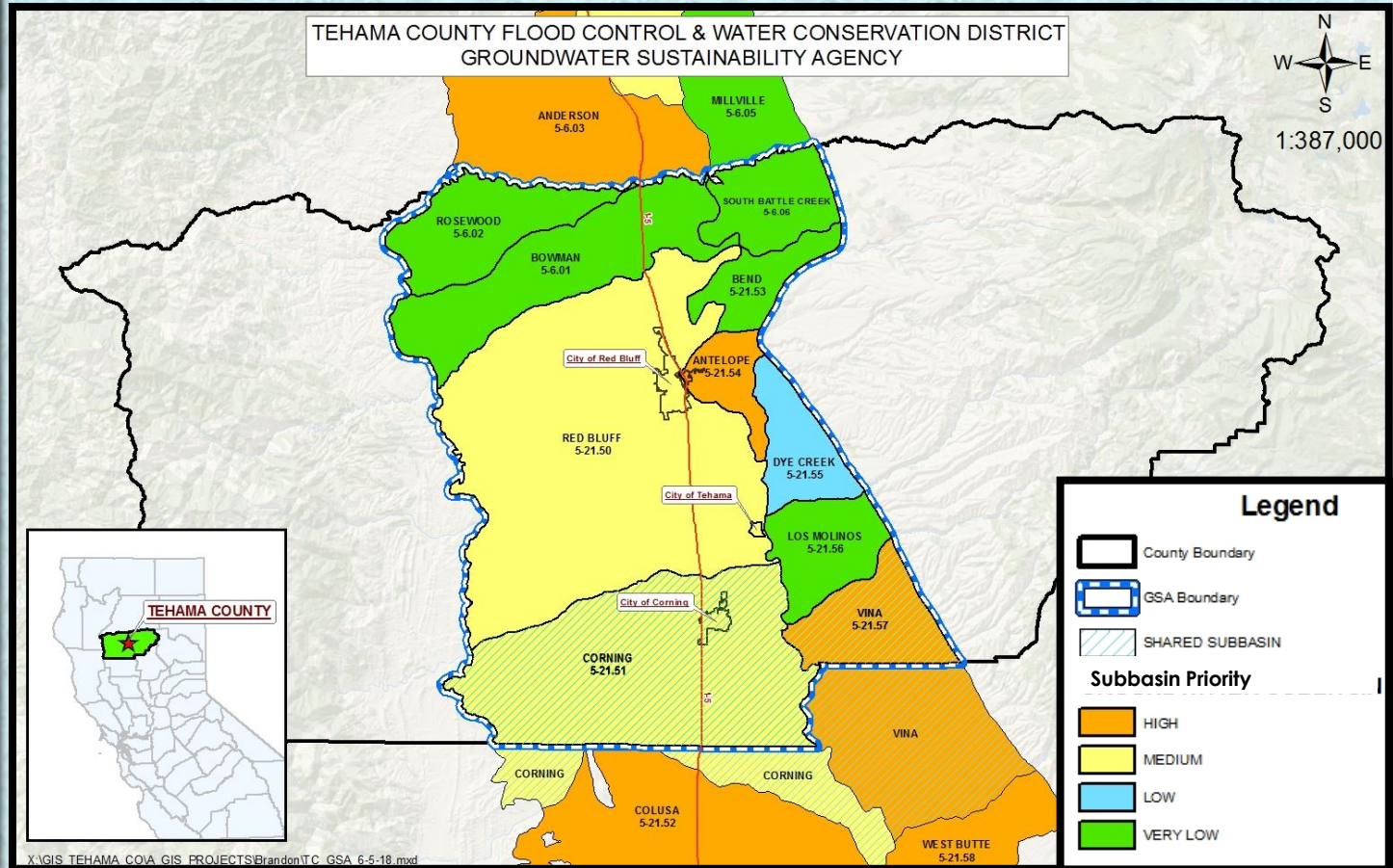
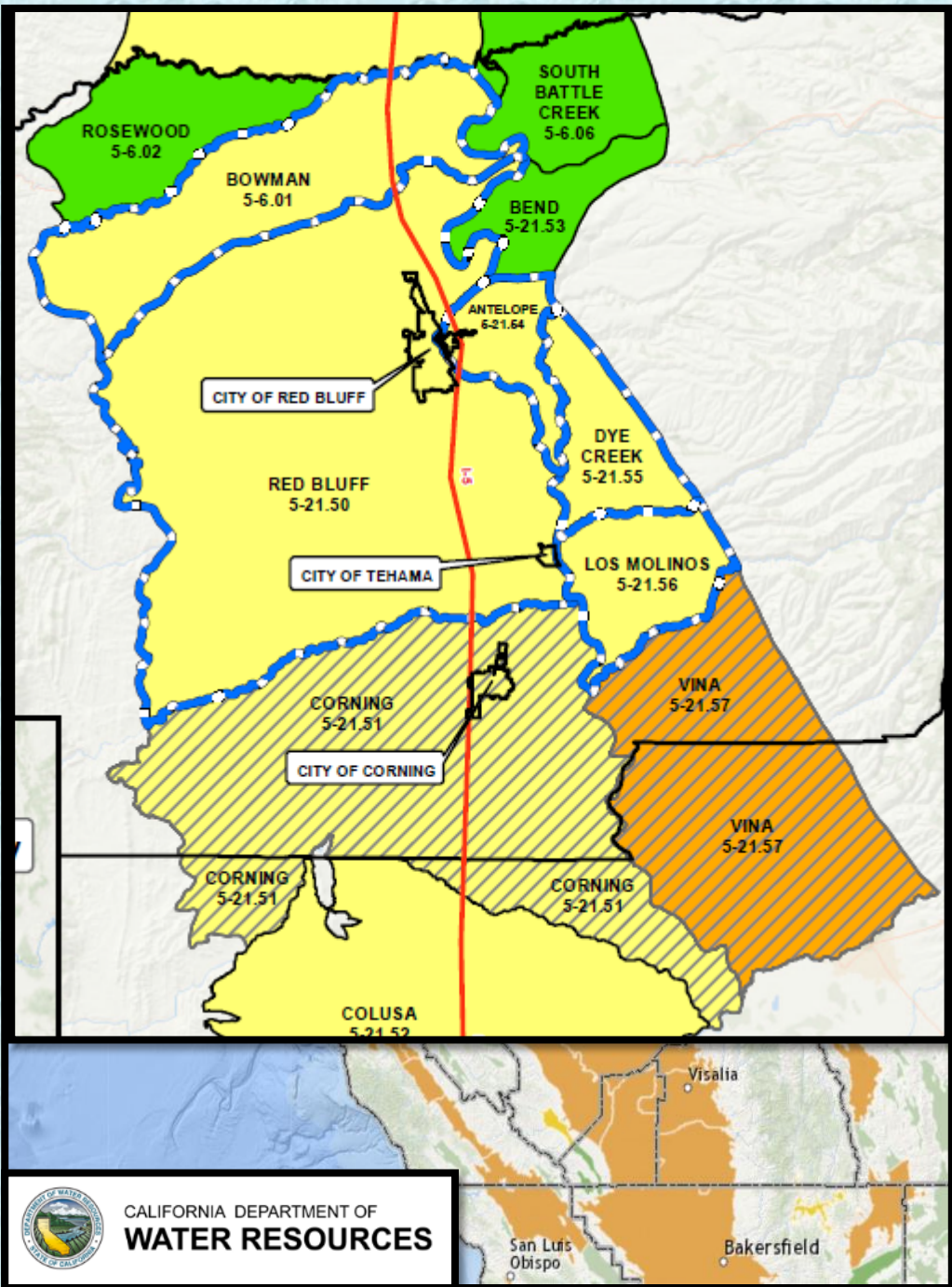
- Promote sustainable management of groundwater basins
- Enhance local management of groundwater, state to step in if necessary
- Improve data collection and understanding of groundwater resources and management
- Avoid or minimize impacts for land subsidence



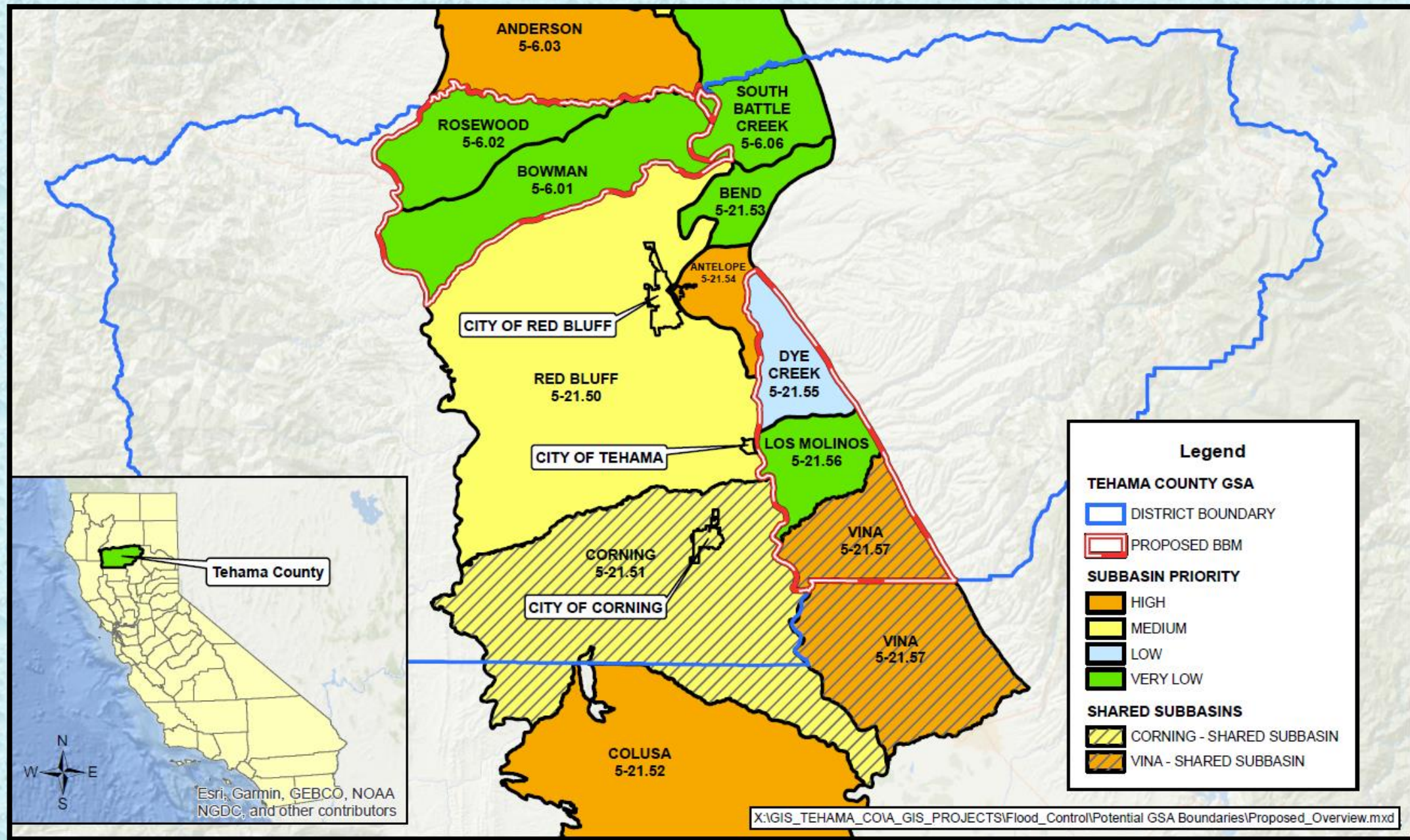
Sustainable Groundwater Management Act Timeline

- January 31, 2022: Groundwater Sustainability Plans required for all high and medium priority groundwater basins
- January 31, 2042: Basins must achieve sustainability

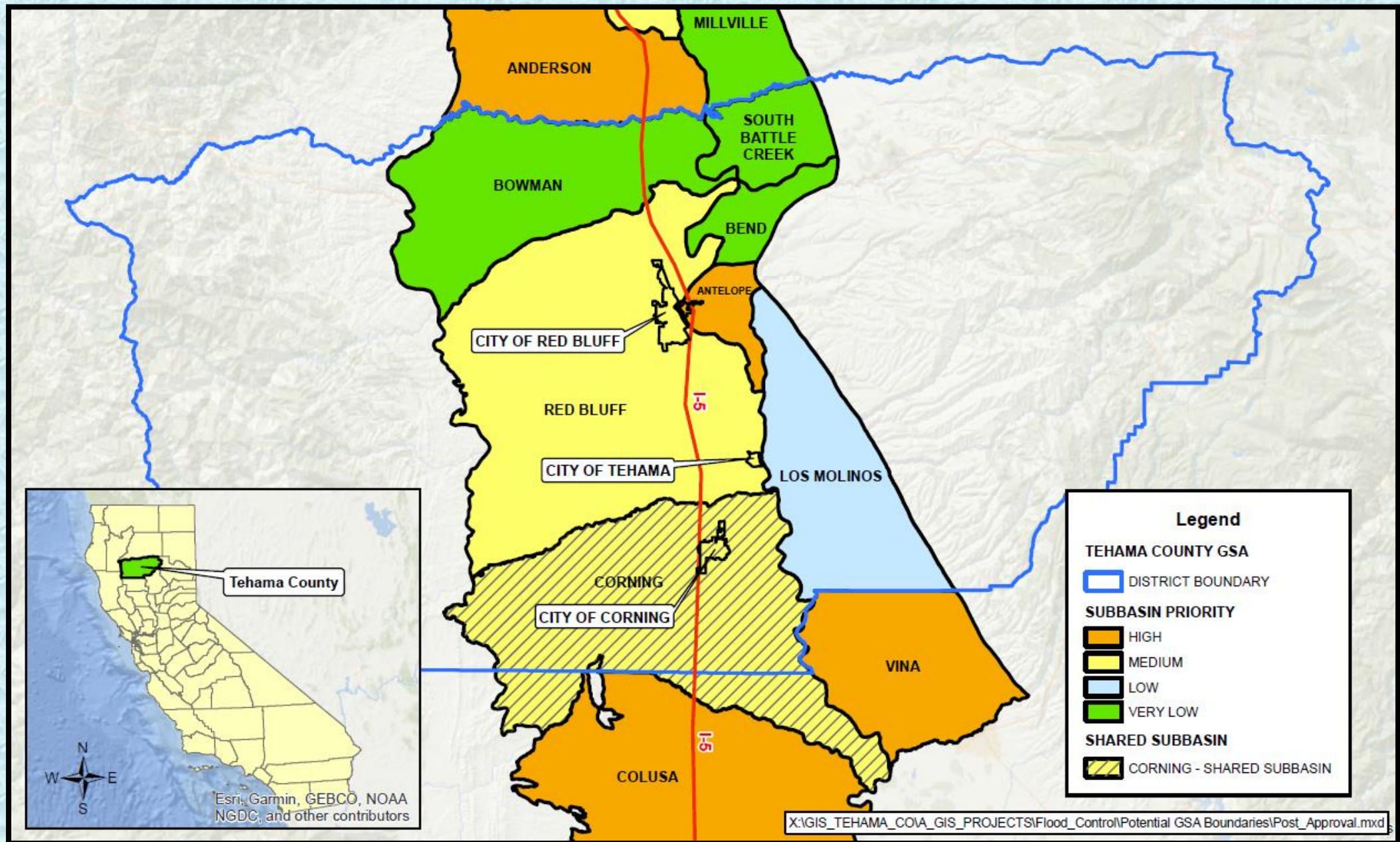




Proposed Basin Boundary Modifications



Tehama County GSA



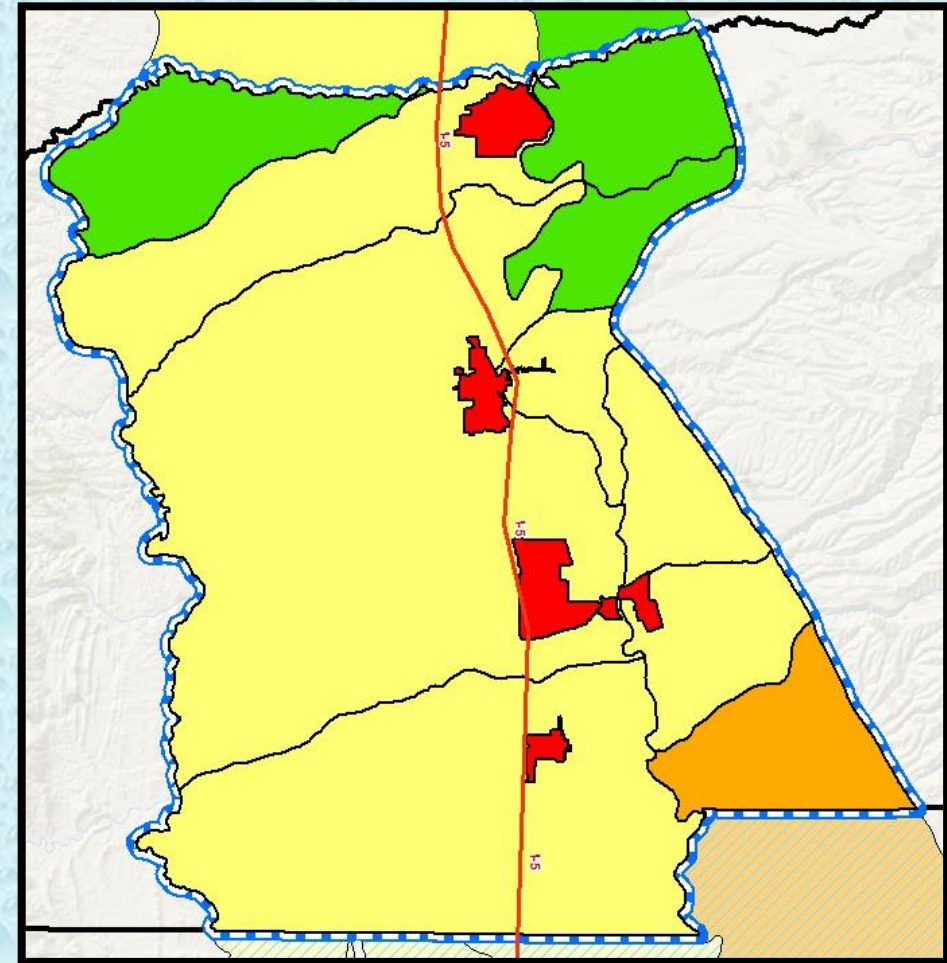
Governance Structure

- Governing Board – Tehama County Flood Control & Water Conservation District Board of Directors (County Board of Supervisors)
- Groundwater Commission (similar to Planning Commission)
- Technical Advisory Committee



Groundwater Commission

- **The Commission will be made up of 11 members**
- **6 agencies will have designated seats on the Commission and appoint their own members.**
 - 1 – City of Corning – 773 million gallons per year (GPY)
 - 1 – City of Red Bluff – 1.18 billion GPY
 - 1 – City of Tehama – 35 million GPY
 - 1 – El Camino Irrigation District – 2.28 billion GPY
 - 1 – Los Molinos Community Services District – 70 million GPY
 - 1 – Rio Alto Water District – 241 million GPY



Supervisory Districts

- 2 members should represent surface water agencies/districts;
- 2 members should represent private pumpers;
- 1 member should represent the general public.

Groundwater Commission Members

- City of Corning – Vacant
- City of Red Bluff – Clay Parker
- City of Tehama – Bill Borrer
- El Camino Irrigation District – Kris Lamkin
- Los Molinos Community Services District – Todd Hamer
- Rio Alto Water District – Martha Slack
- District 1 – Harley North, private pumper
- District 2 – Sam Mudd, general public
- District 3 – Bart Fleharty, surface water agency/district
- District 4 – Hal Crain, surface water agency/district
- District 5 – David Lester, private pumper

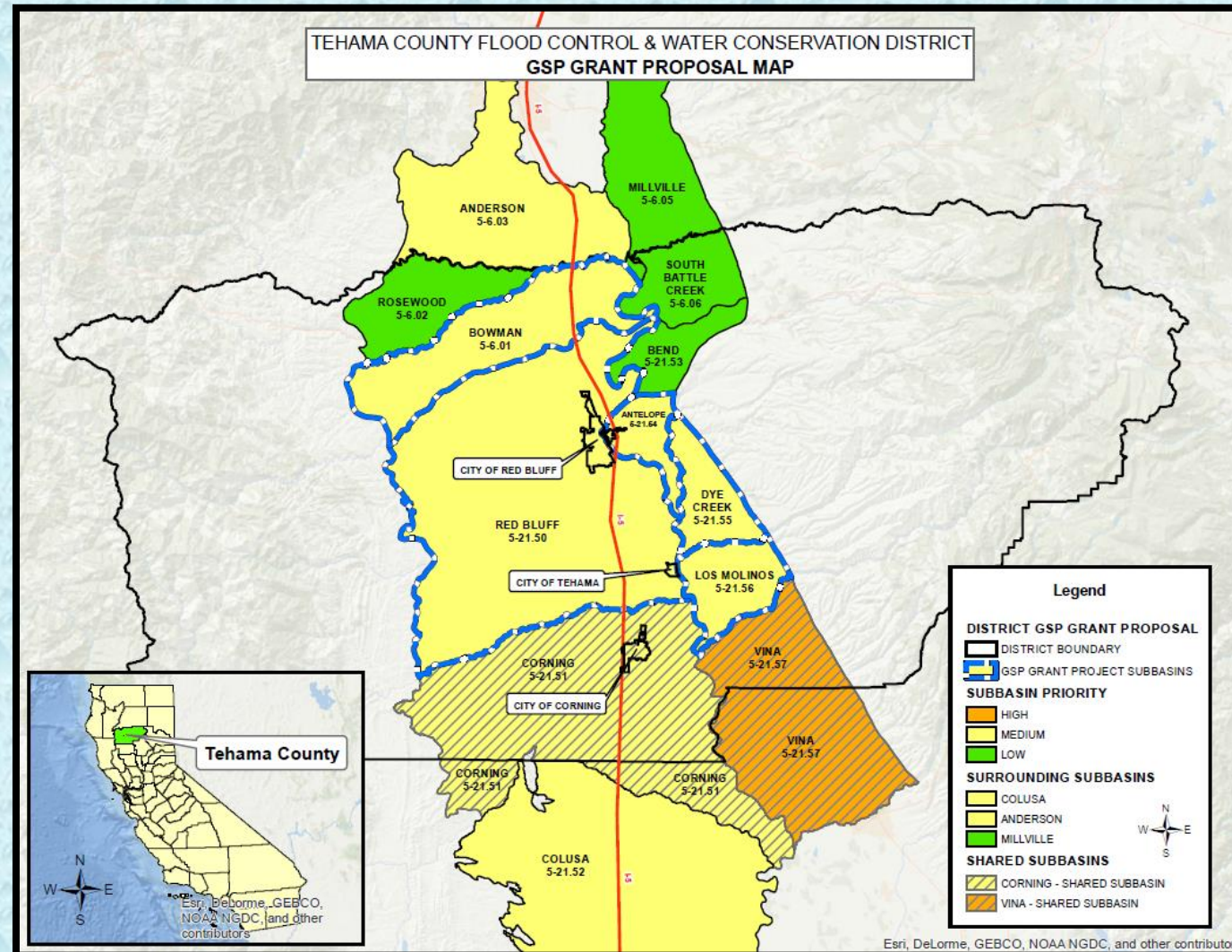


Groundwater Commission Duties

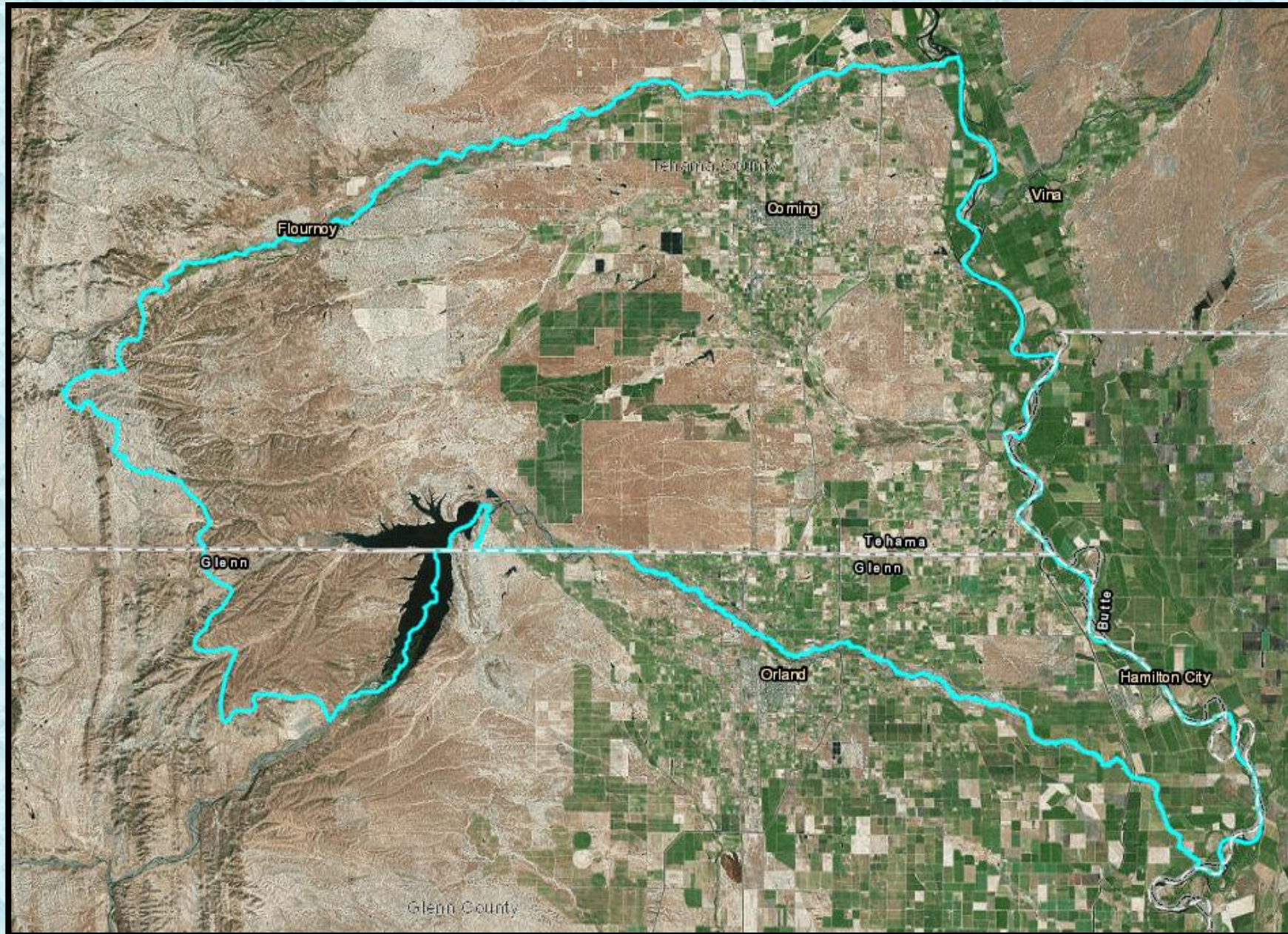
- Develop GSP and all GSA ordinances, rules, and regulations, making final recommendations to the Board of Directors.
- Conduct investigations to determine the need for groundwater management, monitor compliance and enforcement, and propose fee increases.
- Review all proposed grant applications
- Decision-making authority for permits or similar entitlements
- Make quasi-judicial decisions in GSA enforcement matters



- District has received an initial award of a 1.5 Million dollar Groundwater Sustainability Plan Development Grant for the 5 subbasins located entirely within Tehama County

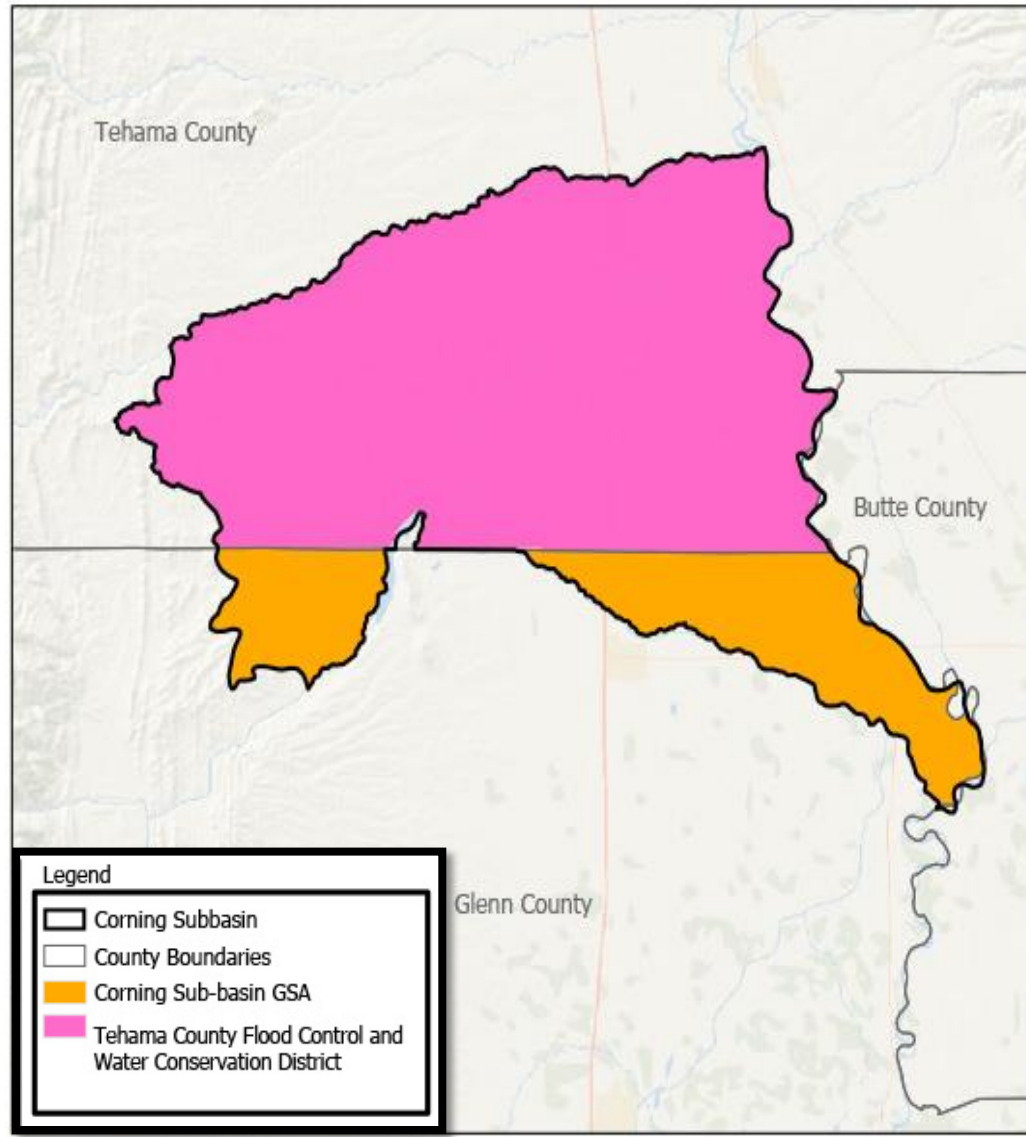


What about the Corning Subbasin?





Corning Subbasin Groundwater Sustainability Agencies

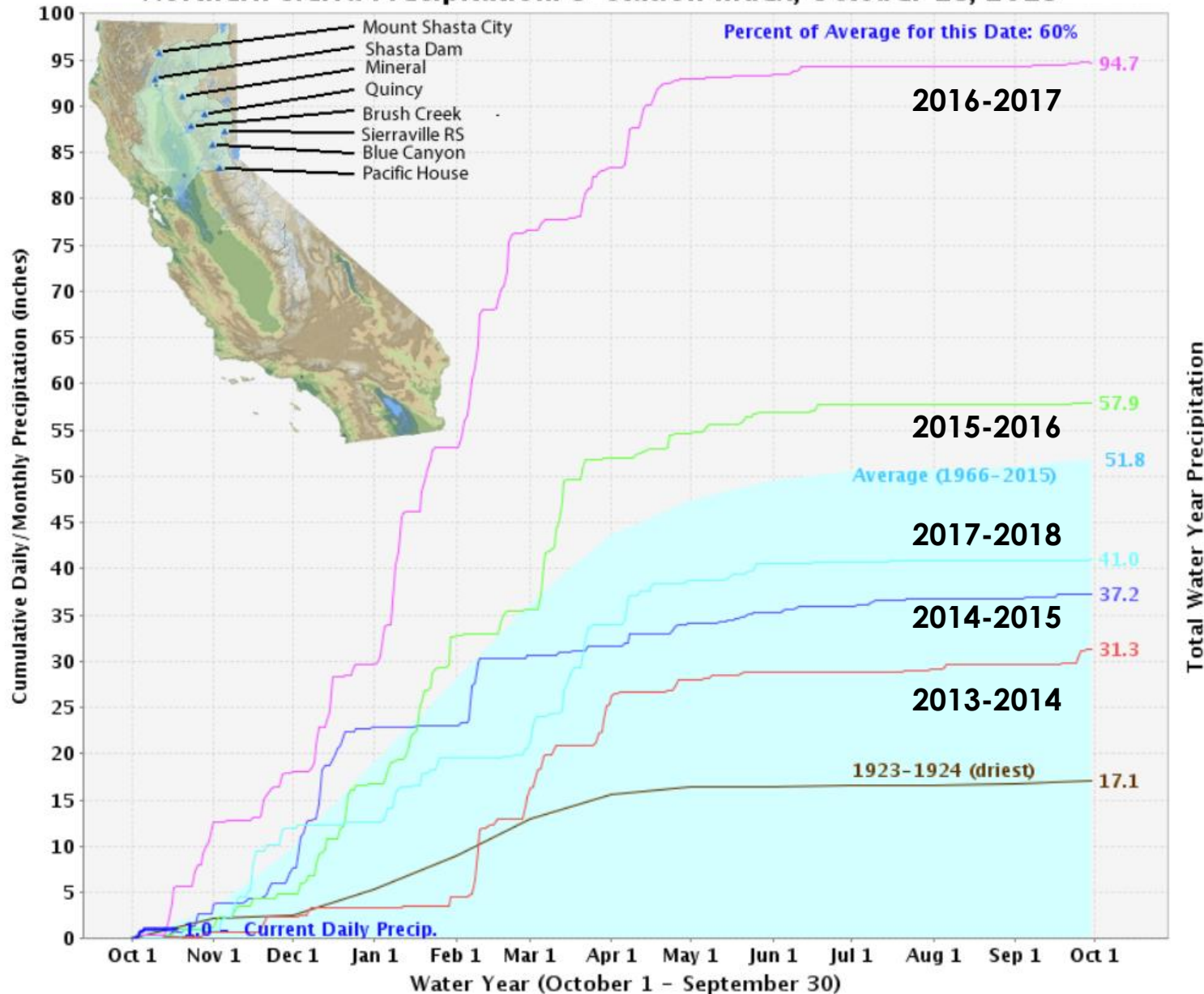


- **GSA Agencies**
- **GSP Grant – 1 million**
- **Proposed Basin Boundary Modification**
- **Co-Management of the Subbasin**
 - Governance
 - GSP vs GSPs
 - Management Areas
 - Facilitation Support
 - Basin Setting Contract
- **Develop GSP**
 - Hydrologic Model
 - Improve monitoring network
 - Outreach and Communications Plan
 - Minimum Thresholds and Measurable Objectives
 - Projects and Management Actions
 - Define Interim Milestones

Task	2018											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Submit Basin Boundary Adjustments												
GSP Grant Contract Development												
Develop Consultant Bid Documents and Contracts												
Coordinate with Surrounding GSA's												

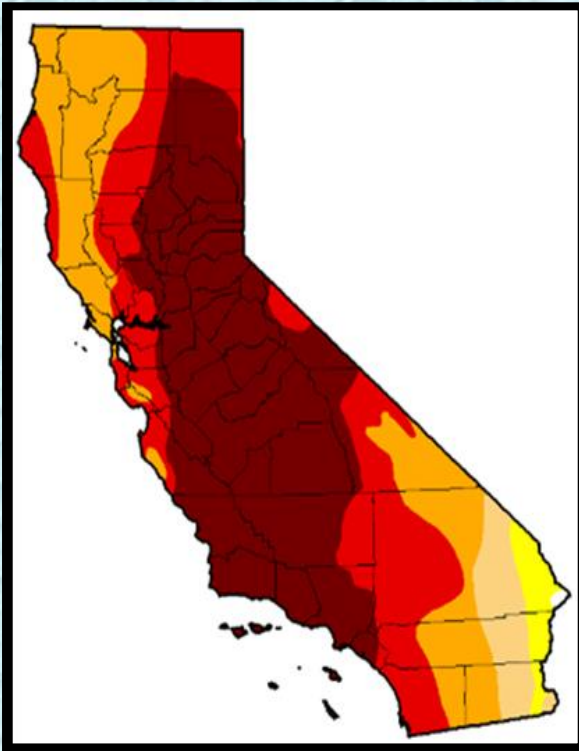
- ▶ Submit completed GSP by January 31, 2022
- ▶ Achieve Sustainability by January 31, 2042

Northern Sierra Precipitation: 8-Station Index, October 18, 2018

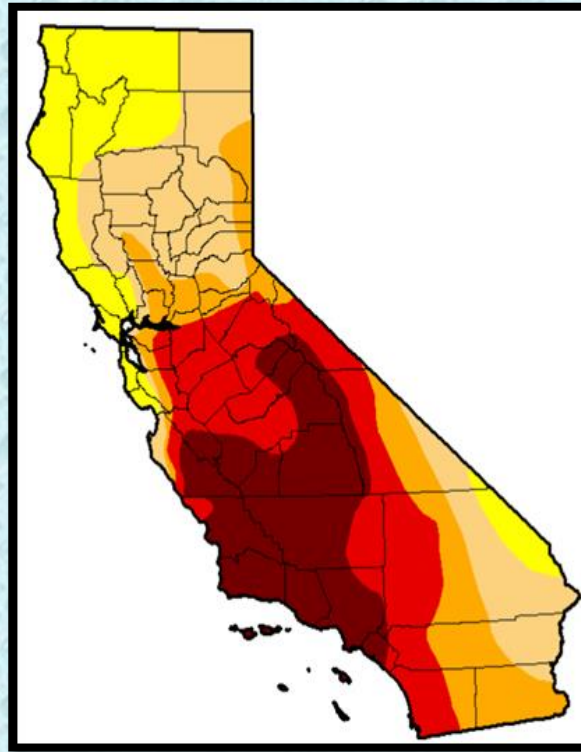


<http://cdec.water.ca.gov/precipapp/get8SIPrecipIndex.action>

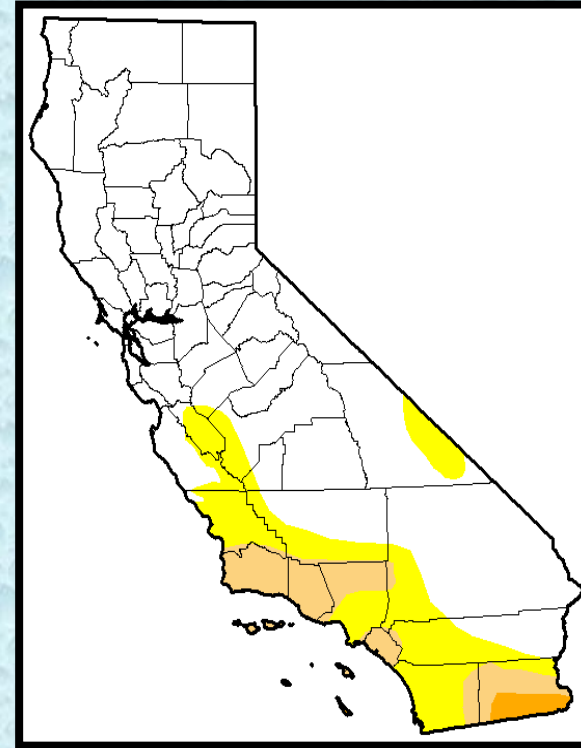
11/03/2015



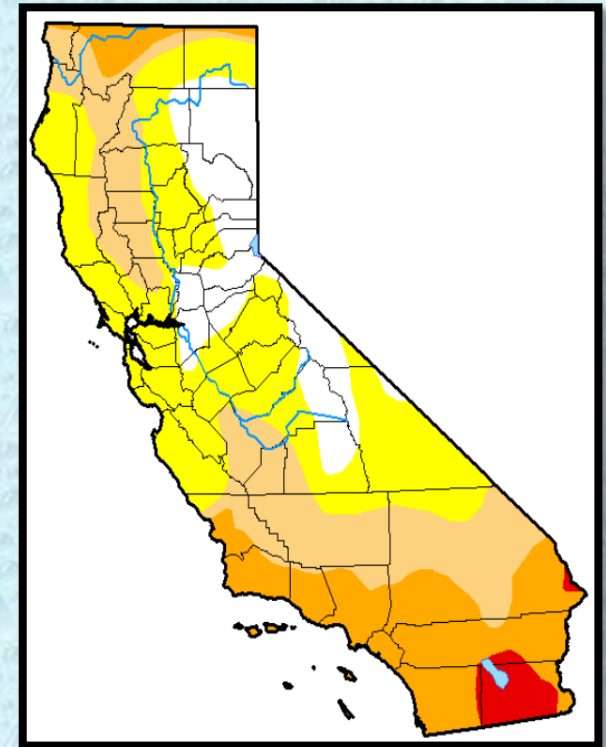
06/21/2016



05/16/2017



10/16/2018



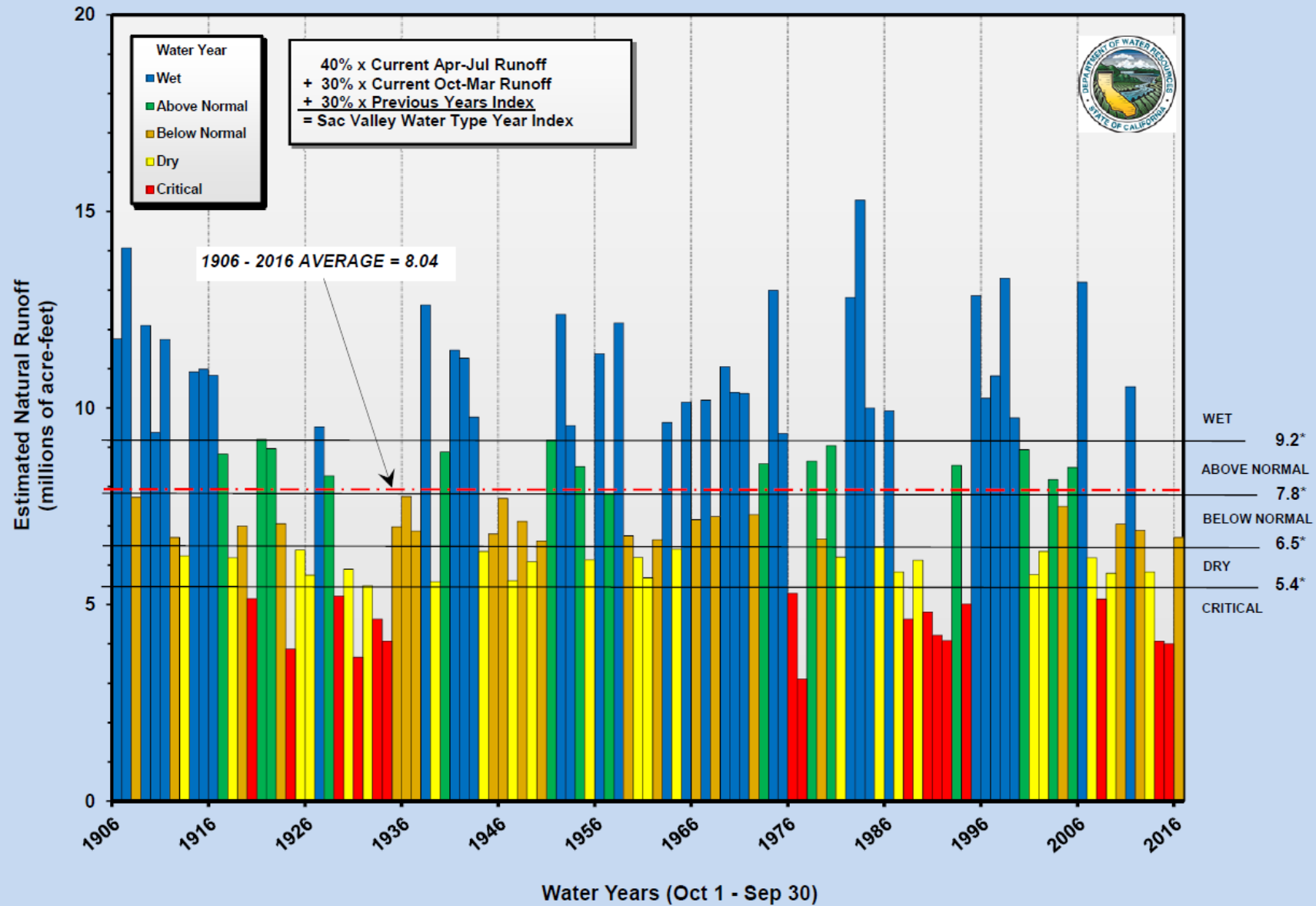
Intensity:

Yellow	D0 Abnormally Dry	Red	D3 Extreme Drought
Orange	D1 Moderate Drought	Dark Red	D4 Exceptional Drought
Dark Orange	D2 Severe Drought		

*The Drought Monitor focuses on broad-scale conditions.
Local conditions may vary. See accompanying text summary
for forecast statements.*

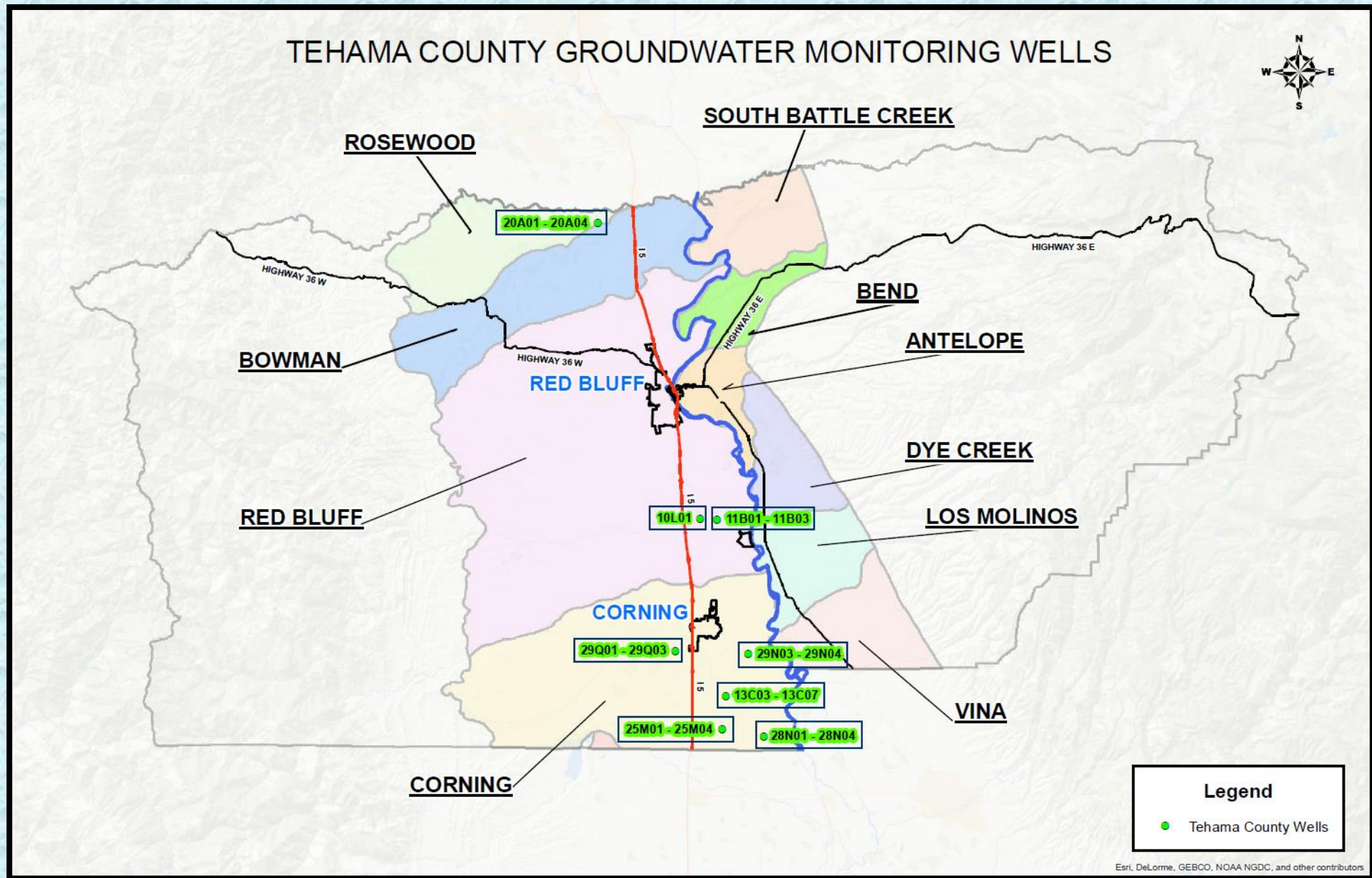
[http://droughtmonitor.unl.edu/data/png/
current/current ca cat.png](http://droughtmonitor.unl.edu/data/png/current/current_ca_cat.png)

SACRAMENTO VALLEY WATER YEAR TYPE INDEX 1906 - 2016



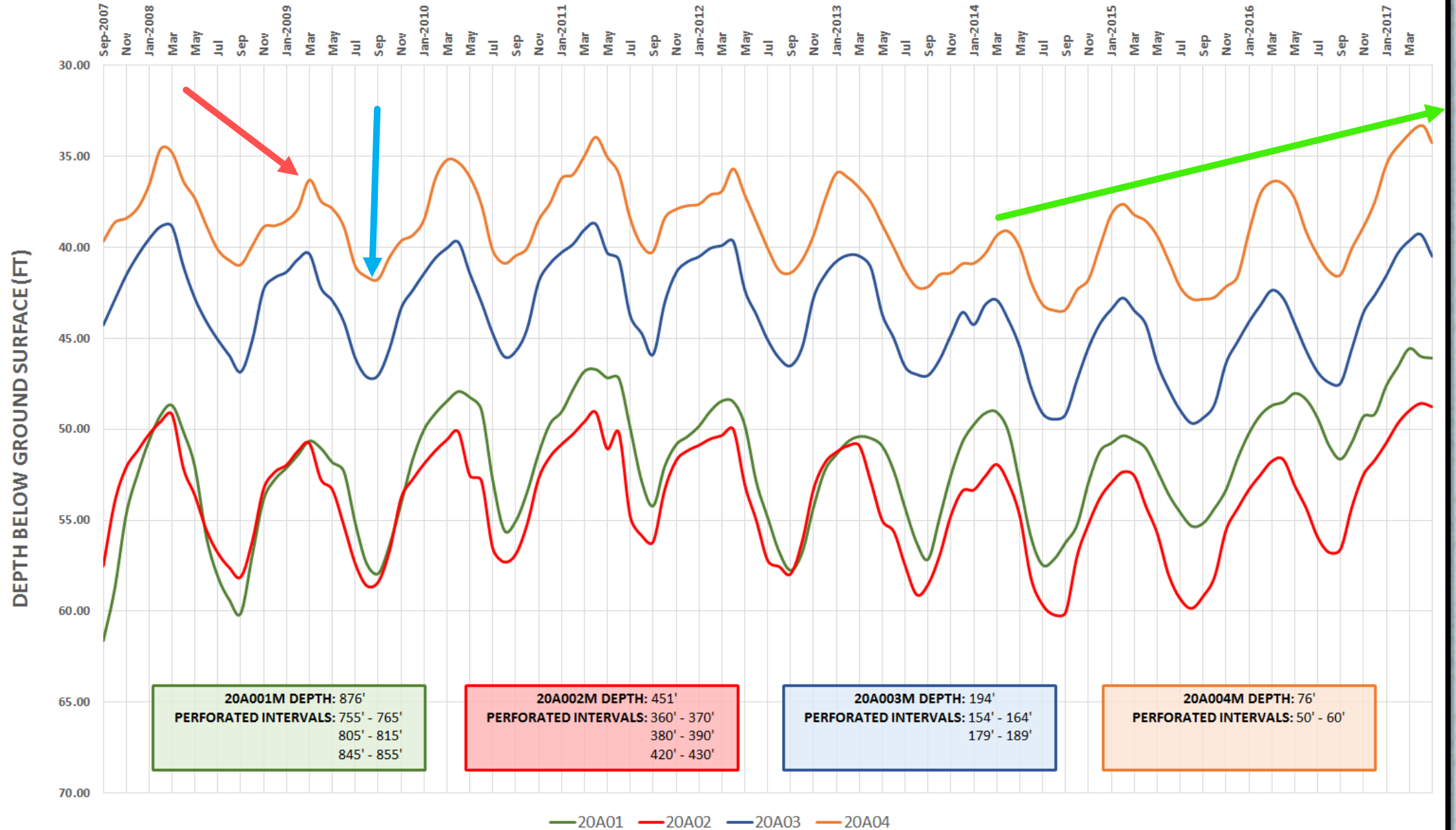
Source: California Department of Water Resources

* Index based on flow in the million acre-feet

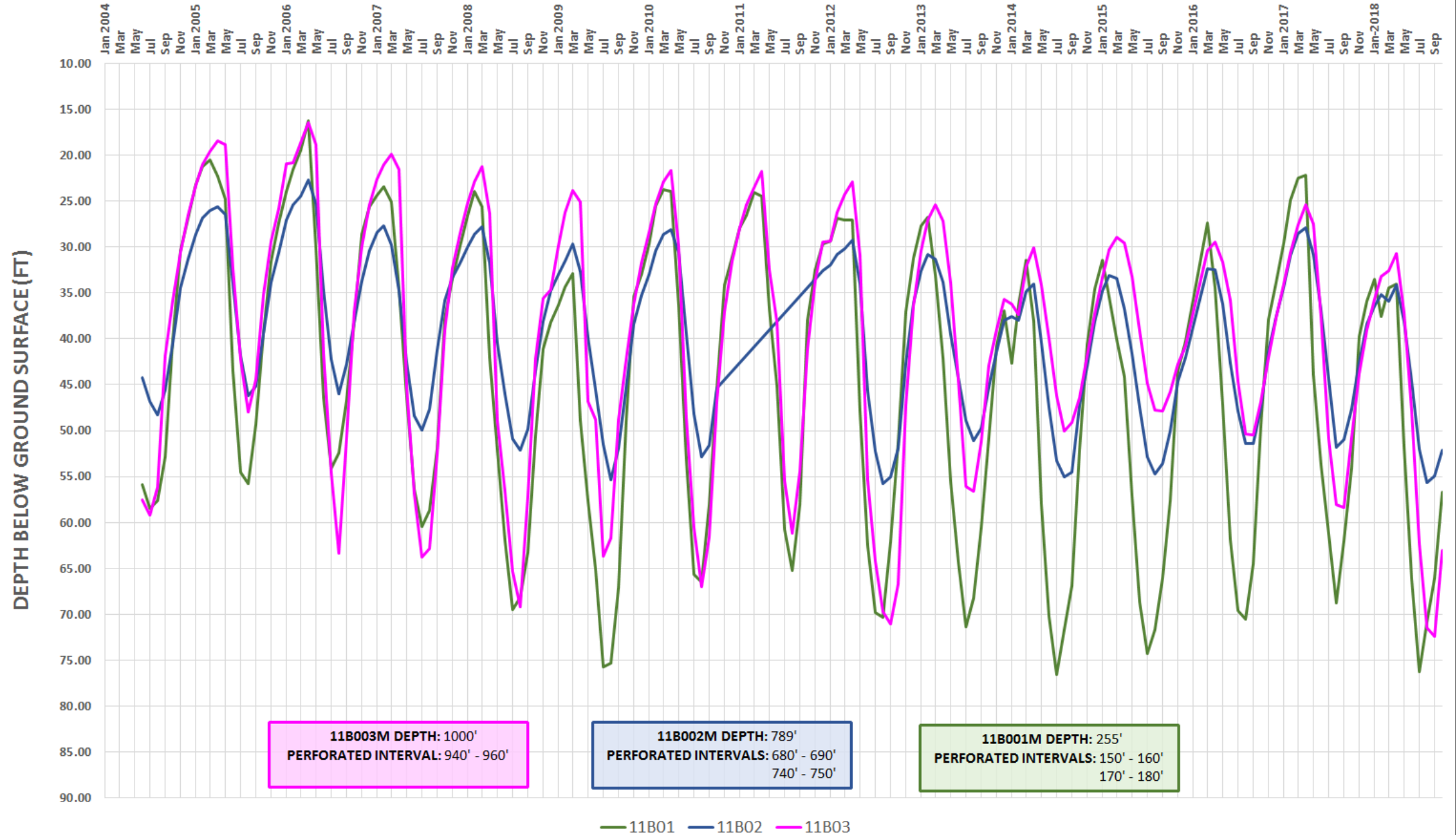


<http://www.tehamacountypublicworks.ca.gov/flood/wells.html>

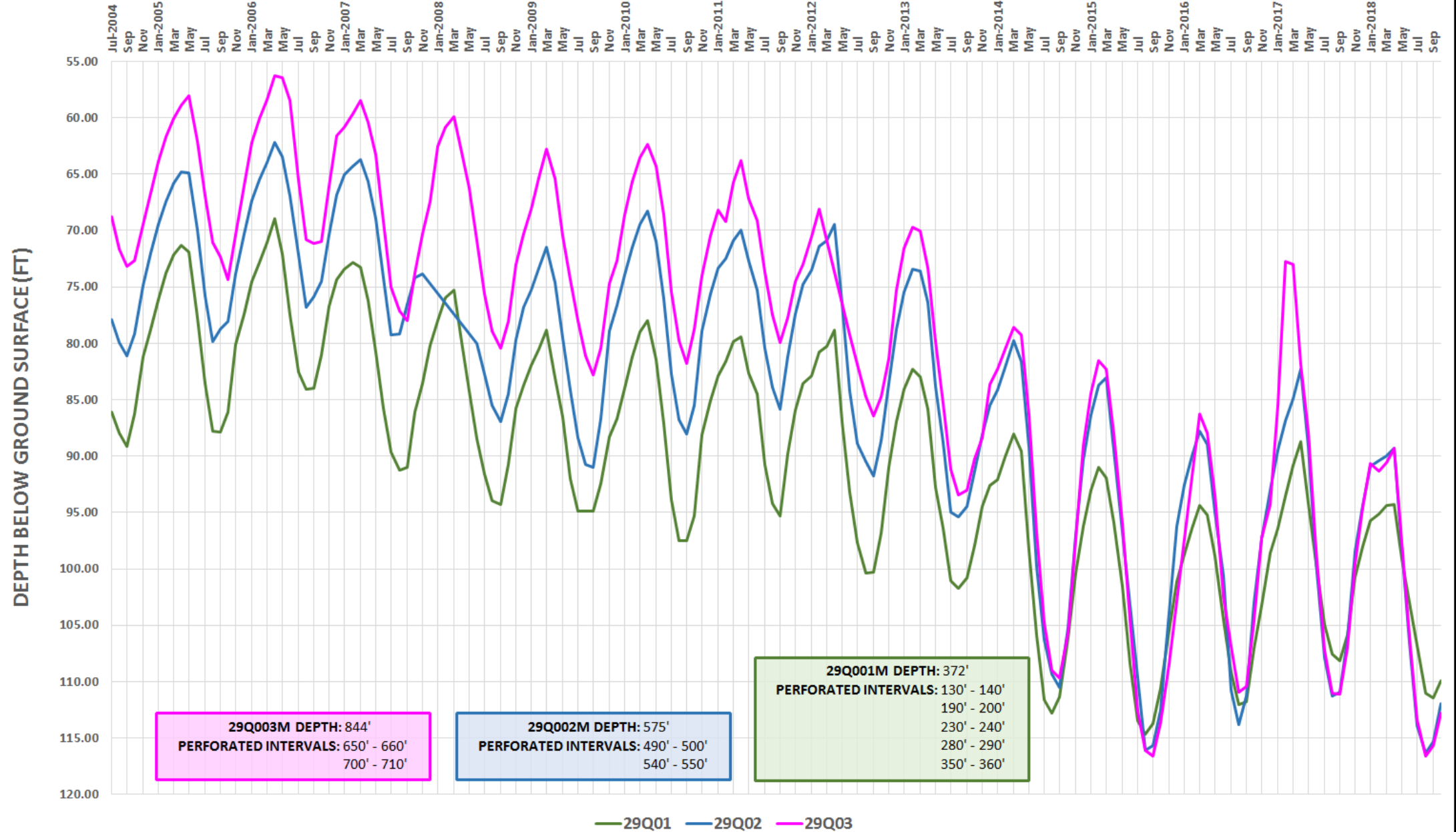
BOWMAN ROAD @ EVERGREEN SCHOOL



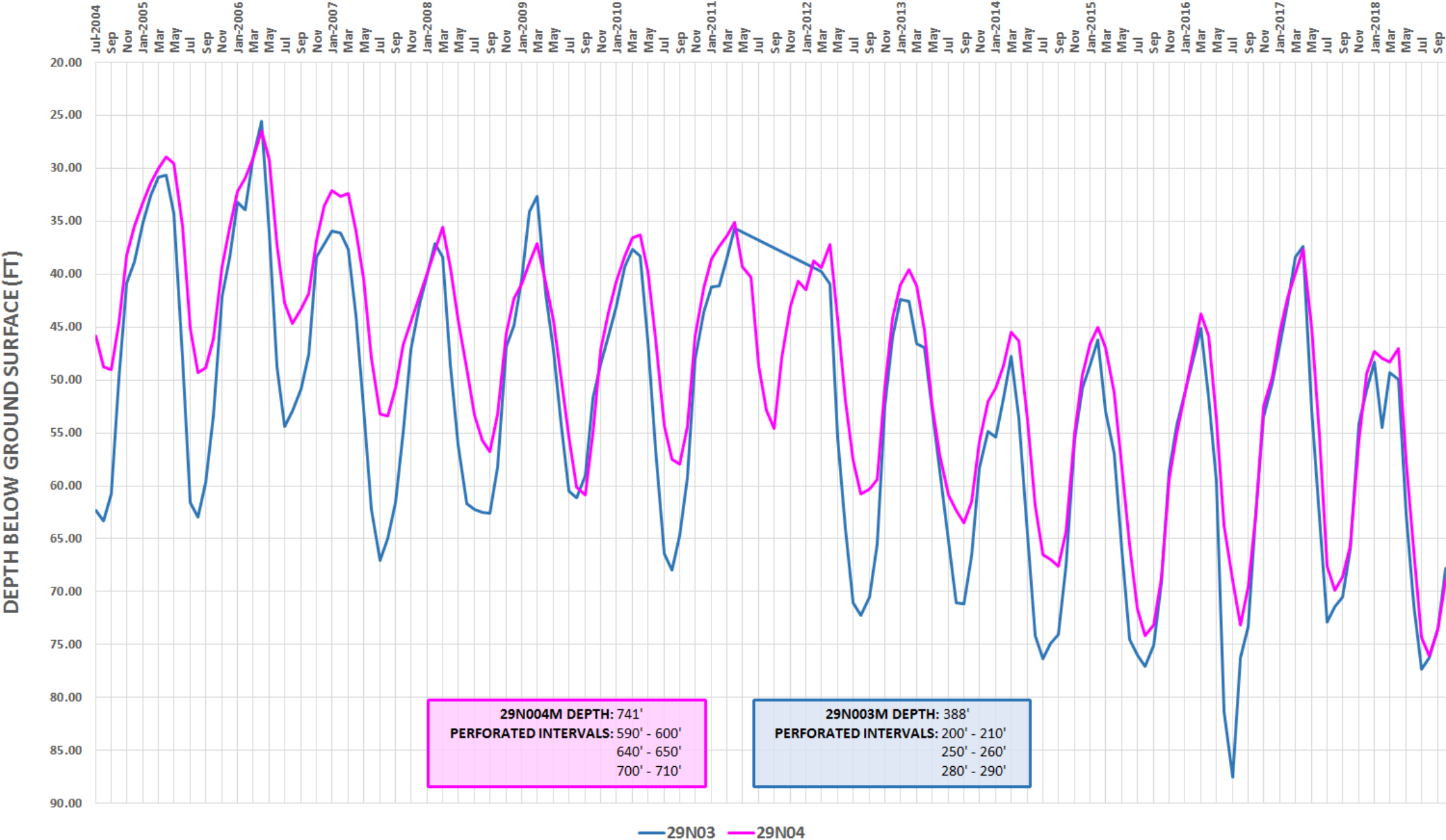
GERBER ROAD - EAST OF HIGHWAY 99W



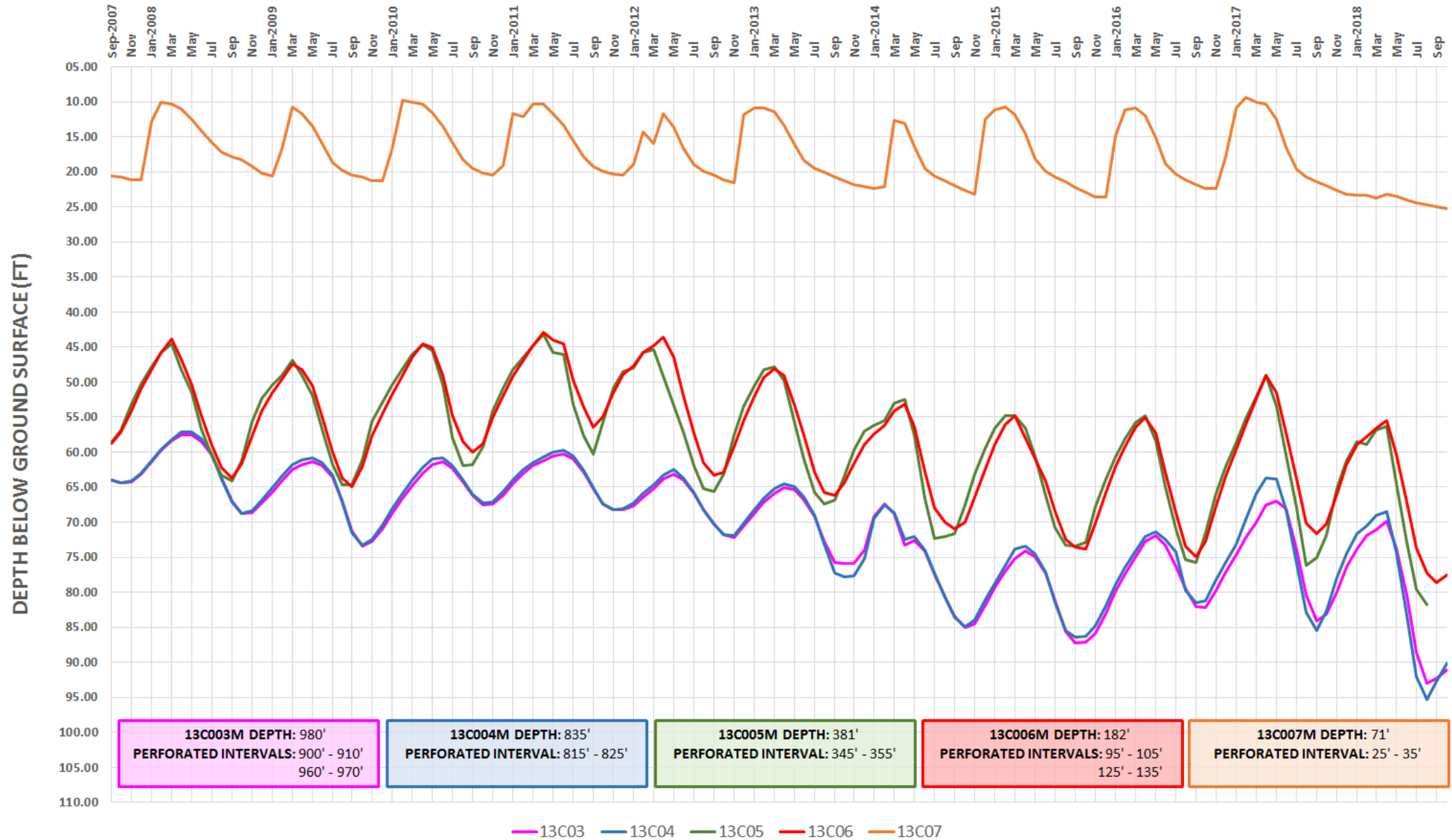
MT. SHASTA AVE - SOUTH OF CHITTENDEN AVE



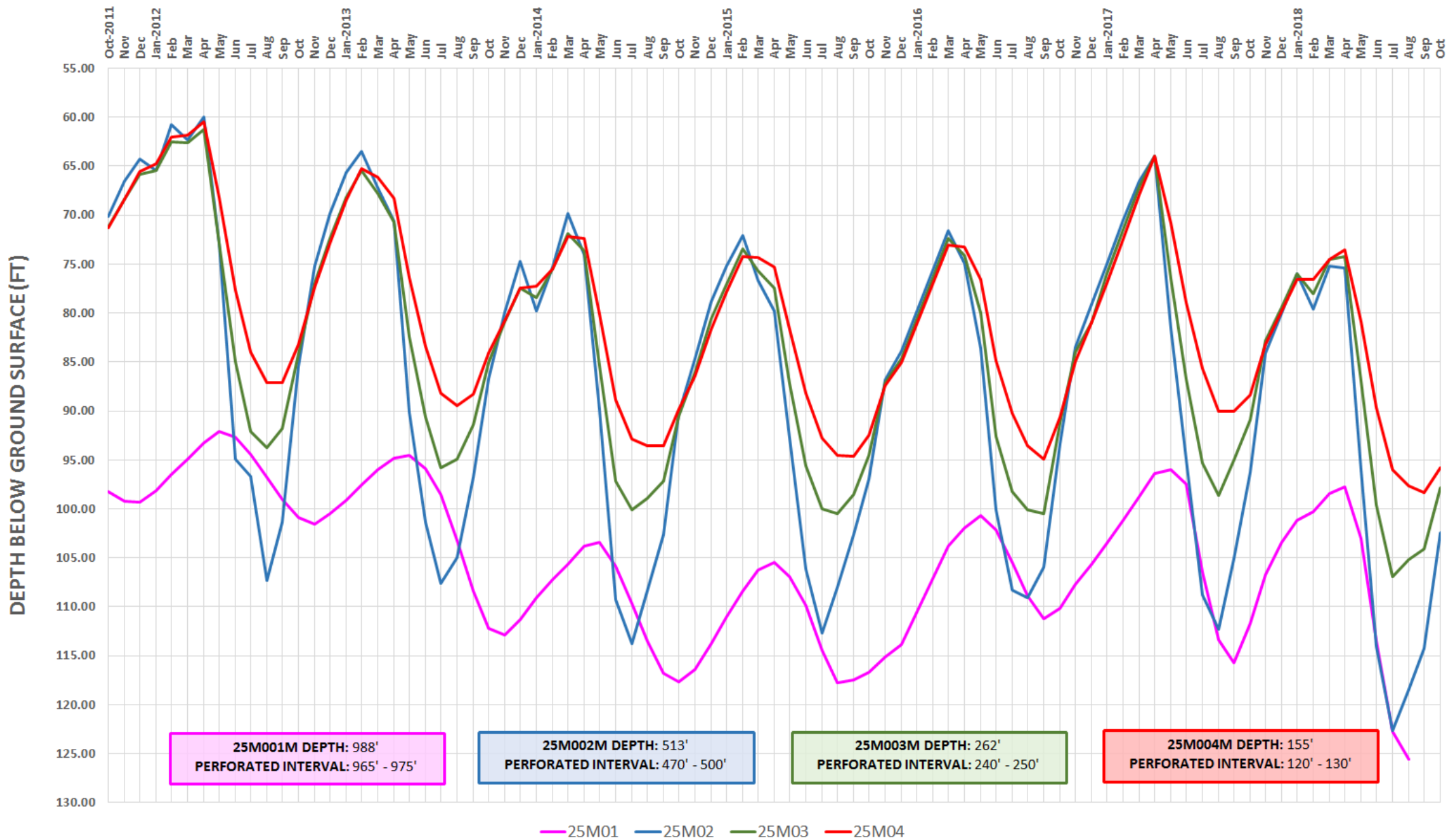
HALL ROAD - SOUTH OF SOUTH AVENUE



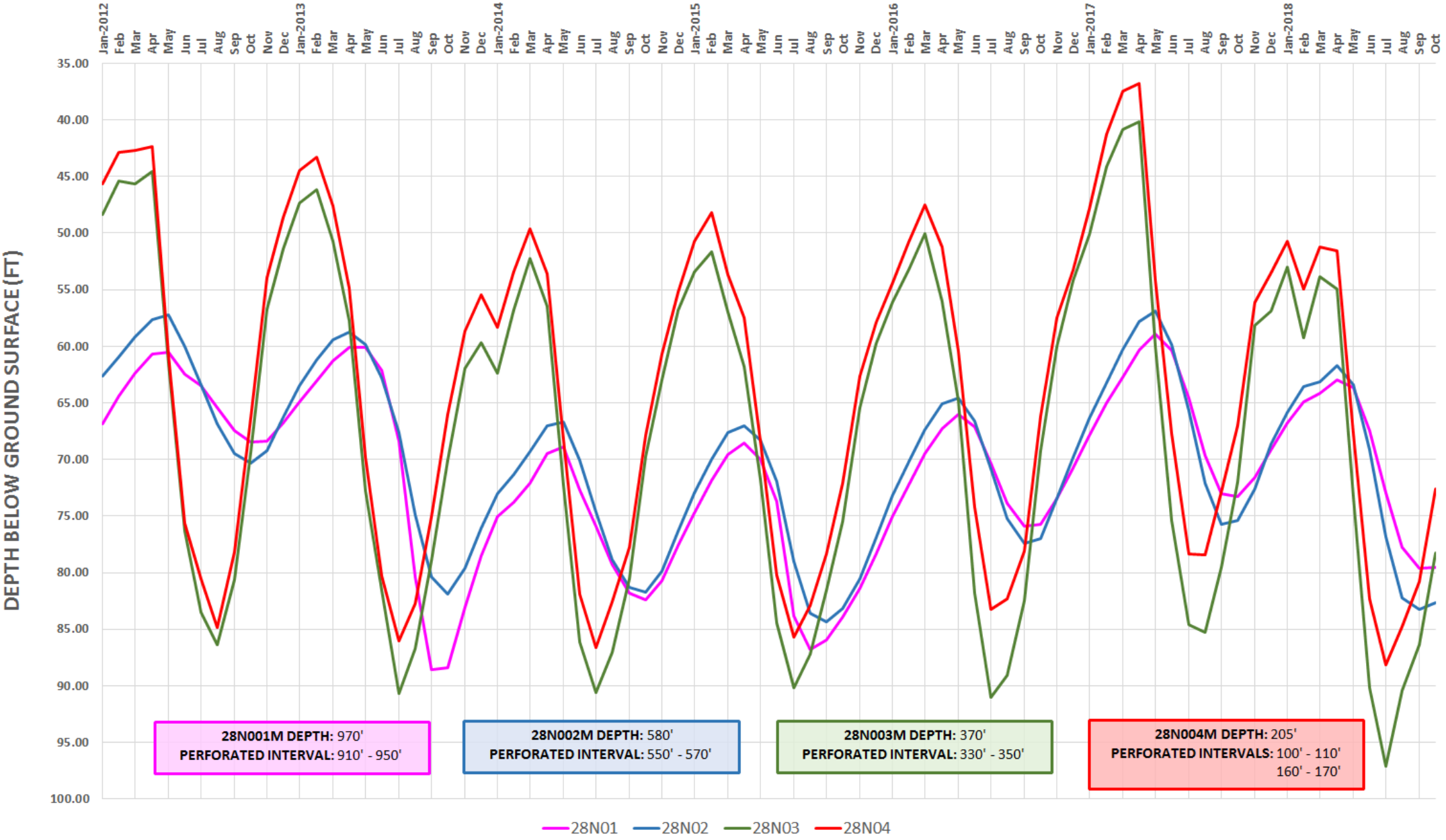
CAPAY ROAD @ HALL ROAD

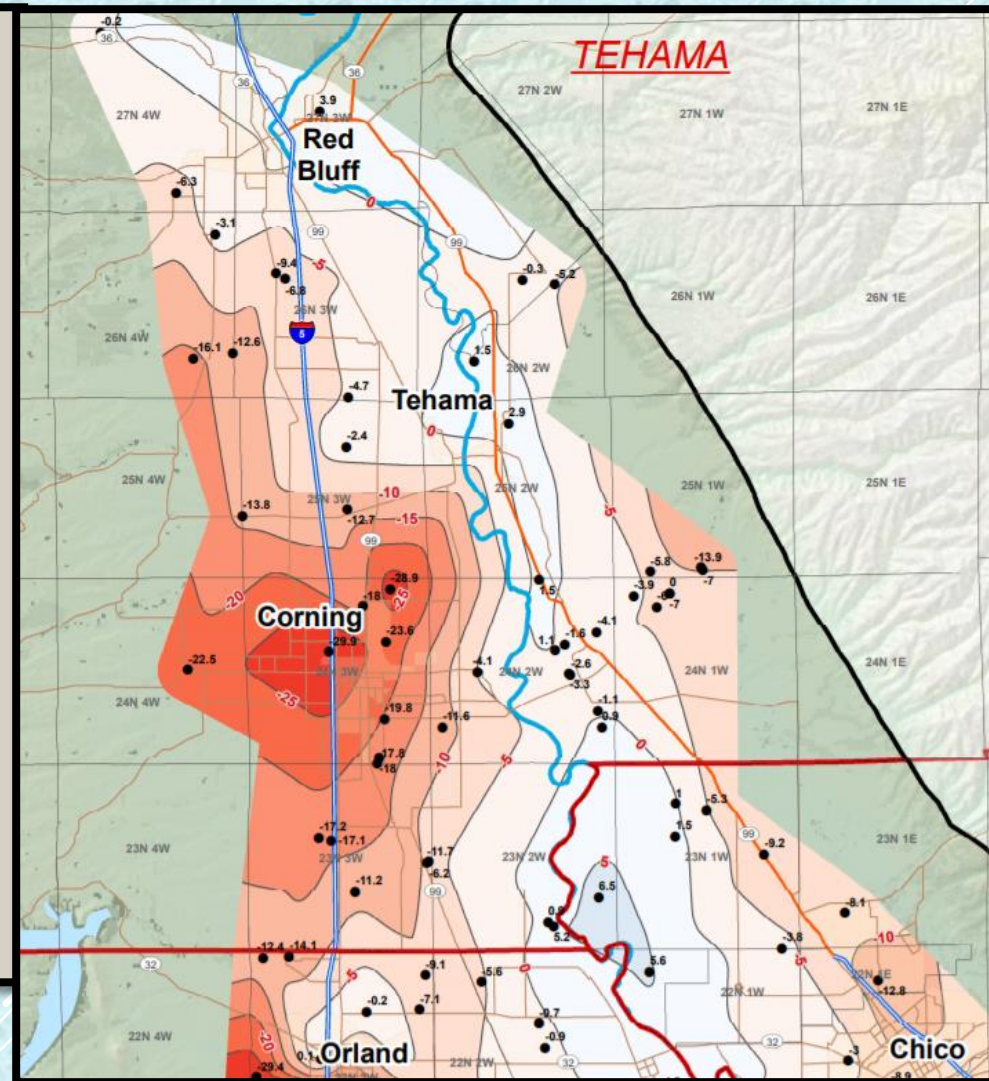
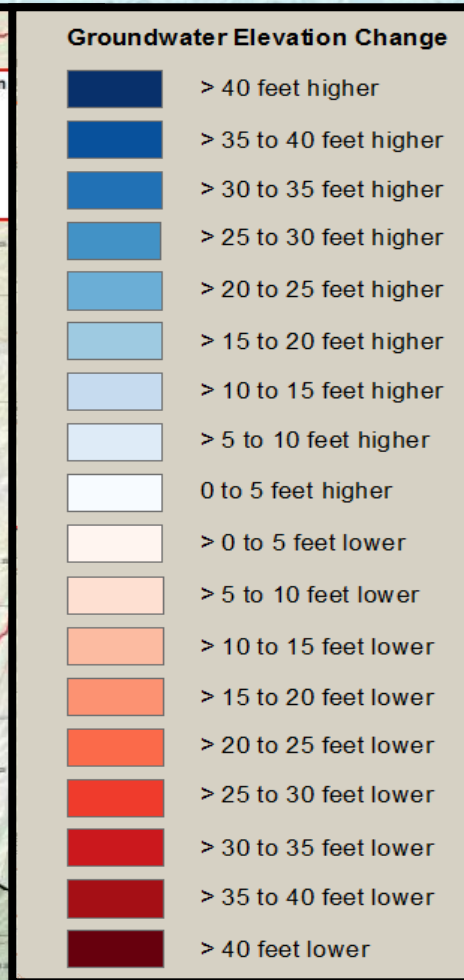
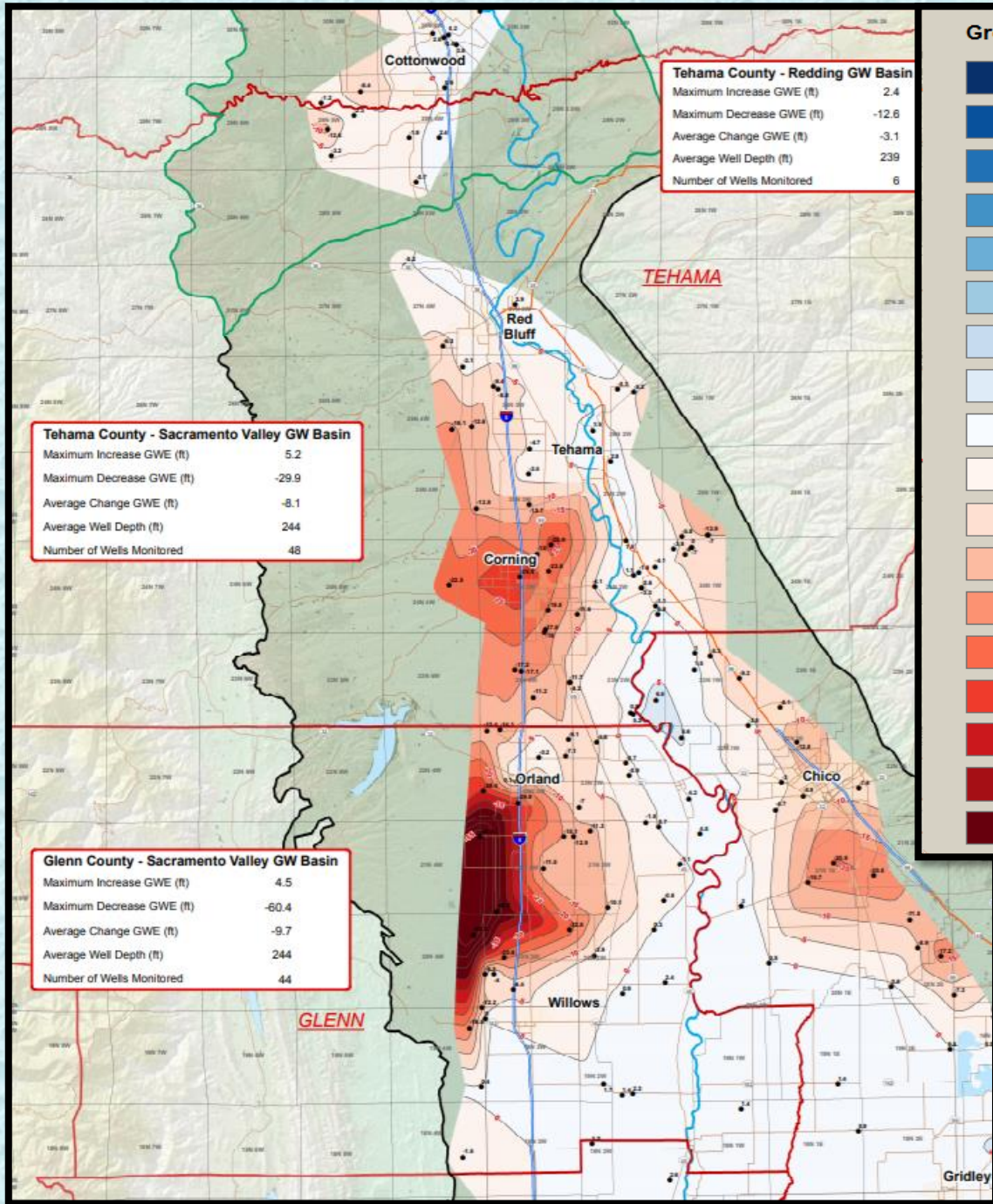


INGHRAM ROAD @ TEHAMA-COLUSA CANAL



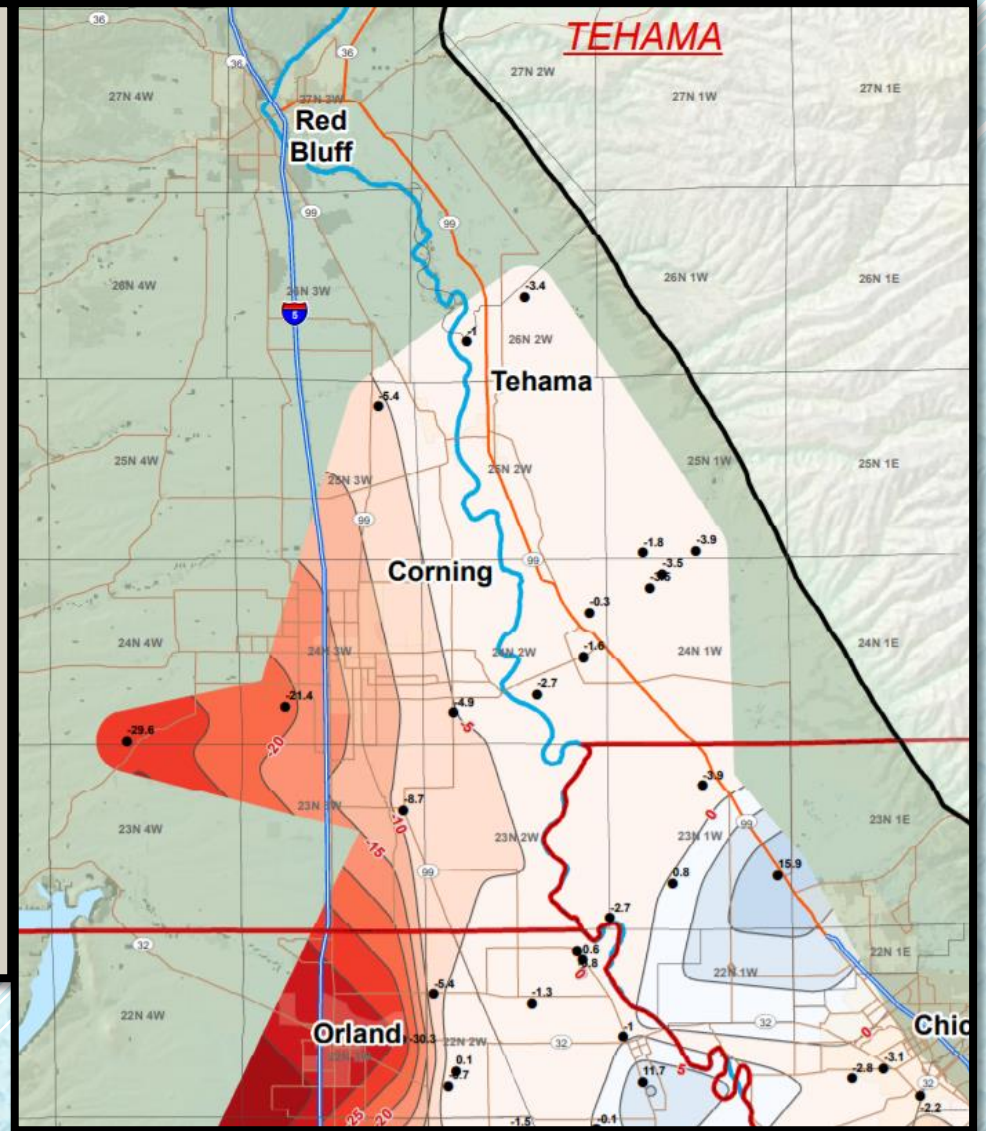
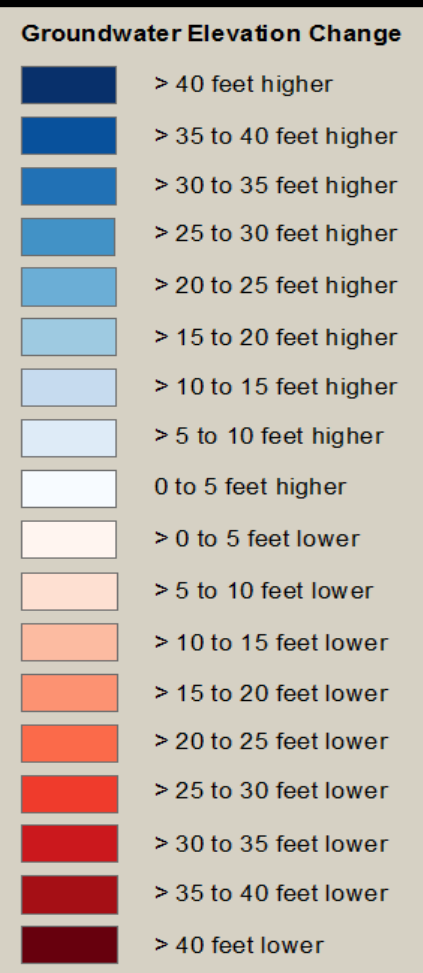
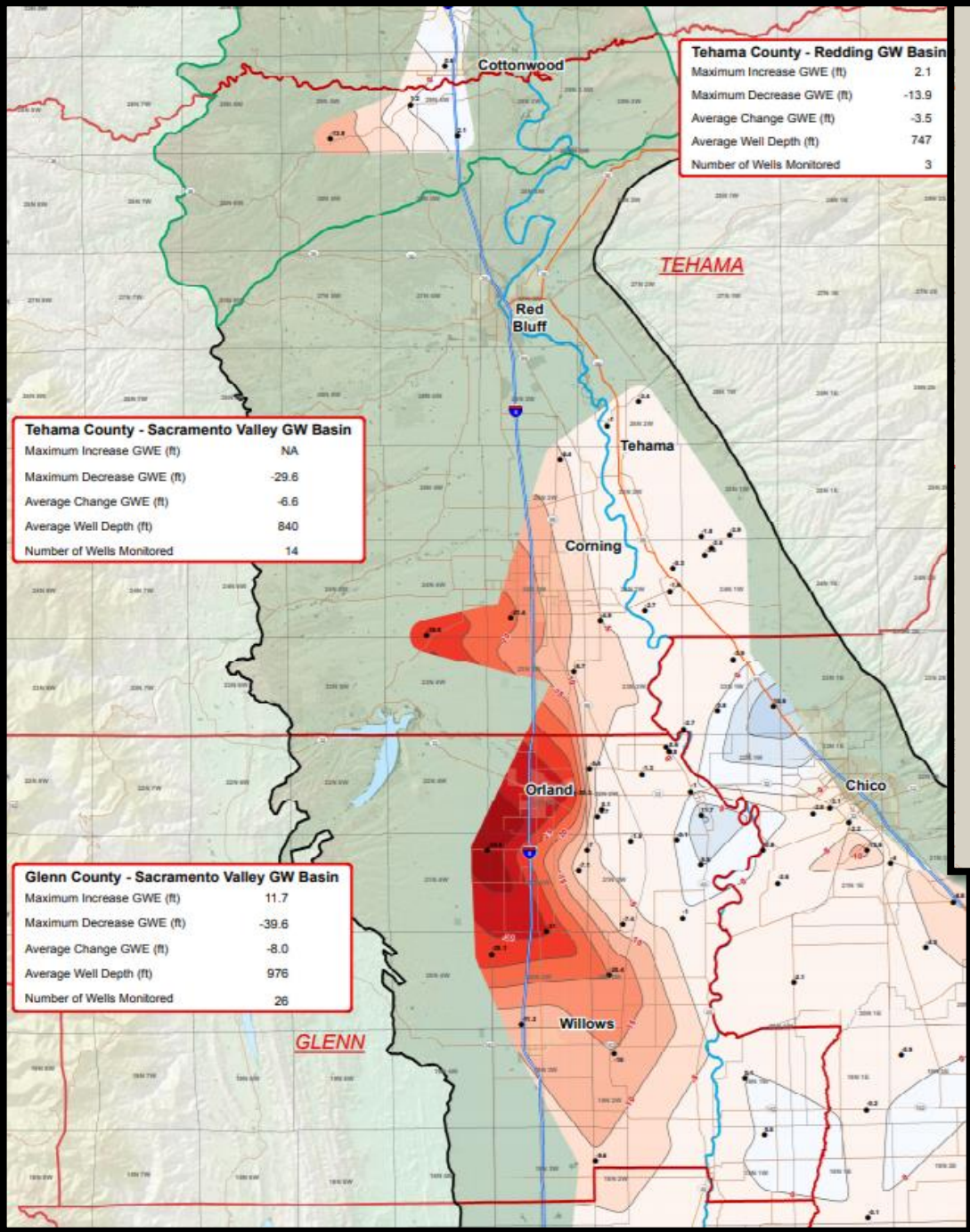
MOLLER AVENUE @ 5TH AVENUE






**WELLS BETWEEN
100-450 FT
2017-2004**

Map courtesy of DWR




**WELLS DEEPER
THAN 600 FT
2017-2011**

Map courtesy of DWR



Tehama County Public Works



9380 San Benito Avenue, Gerber, CA 96035-9701 Phone: (530) 385-1462

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 - Groundwater Commission
 - Basin Boundary Modifications
 - Groundwater Sustainability Plan
 - SGMA Presentations
- ± Water & Environmental Agencies

Tehama County Flood Control & Water Conservation District

Ryan Teubert
Flood Control & Water Resources Manager
(530) 385-1462
rteubert@tcpw.ca.gov

The Tehama County Flood Control & Water Conservation District was originally established in 1957 by the Tehama County Flood Control and Water Conservation District Act. This Act defined the boundary and territory of the District as follows: "all that territory of the County of Tehama lying within the exterior boundaries thereof."

Sustainable Groundwater Management Act

On September 16, 2014, Governor Brown signed into law a package of bills (SB1168, AB1739 and SB1319) collectively called the Sustainable Groundwater Management Act. The Tehama County Flood Control and Water Conservation District was recognized by DWR as the Exclusive Groundwater Sustainability Agency on February 11, 2016, for the 11 groundwater subbasins or the portions of those subbasins located within Tehama County. The District also submitted a **Basin Boundary Adjustment** in March 2016 to incorporate the small portion of the Colusa Subbasin located within Tehama County into the Corning Subbasin. The District is currently in the process of forming a Groundwater Commission, that once formed, will start the process of developing a Groundwater Sustainability Plan as required by the legislation before the January 31, 2022 deadline.

If you are interested in receiving information and notices concerning the Sustainable Groundwater Management Act and the Tehama County Groundwater Sustainability Agency please send an email to rteubert@tcpw.ca.gov

AB3030 Groundwater Management Plan

For the purposes of carrying out the goals and objectives established within the **AB3030 Groundwater Management Plan**, the boundaries of the plan area will include the County of Tehama and the Western Tehama Highlands Area, Eastern Tehama Highlands Area, and the Redding Groundwater Basin and Sacramento Valley Groundwater Basin to the extent that they lie within the jurisdiction of the District, but do not include any land outside Tehama County.

Statewide Emergency Water Conservation Regulations - Adopted May 18, 2016

The State Water Resources Control Board (Water Board) shall, as soon as practicable, adjust emergency water conservation regulations through the end of January 2017 in recognition of the differing water supply conditions across the state. To prepare for the possibility of another dry winter, the Water Board shall also develop, by January 2017, a proposal to achieve a mandatory reduction in potable urban water usage that builds off of the mandatory 25% reduction called for in **Executive Order B-29-15** and lessons learned through 2016. Click to continue reading...

Integrated Regional Water Management Plan (IRWMP)

The purpose of this Integrated Regional Water Management Plan (IRWMP) is to document the regional

<http://www.tehamacountypublicworks.ca.gov/flood/>

Questions

Ryan Teubert

Tehama County Flood Control and
Water Conservation District

530-385-1462

rteubert@tcpw.ca.gov

Tehama County FCWCD:

<http://www.tehamacountywater.ca.gov>

DWR:

<https://water.ca.gov/Programs/Groundwater-Management>